

Serial No. Not 10/767,676  
Atty. Doc. No. 2001P15983WOUS

AMENDMENTS TO THE CLAIMS:

Please amend the claims as shown.

1. (previously presented) An arrangement for a wireless connection of terminal devices to a communication system, comprising:

a data packet network for the transmission of data packets using network addresses valid within the network;

at least one transition device coupled to the data packet network, to which at least one short-range radio module is coupled, the transition device having a coupling table with terminal device addresses of terminal devices located within the radio range of at least one short-range radio module;

a server coupled to the data packet network for controlling connections to the terminal devices, the server having an allocation table in which a network address of the particular transition device is allocated in each case to a terminal device address of a terminal, to which transition device a short-range radio module in whose radio range this terminal device is located, is coupled; and

a packet-based alignment protocol for the dynamic alignment of the allocation table with the coupling table.

2. (previously presented) An arrangement in accordance with Claim 1, wherein the data packet network is realized by a network based on an Internet protocol.

3. (previously presented) An arrangement in accordance with claim 1, wherein the transition device comprises a translator for translation between a network protocol used in the data packet network and a protocol specific to a radio module.

4. (previously presented) An arrangement in accordance with Claim 3, wherein the translator comprises a detection device for detecting, by means of the network protocol used, which terminal device-specific application a connection to a terminal device is allocated to, in order to be able to perform an application-specific protocol conversion accordingly.

2001P15983WOUS OAR JDH.rtf

Page 2 of 6

Serial No. Not 10/767,676  
Atty. Doc. No. 2001P15983WOUS

5. (previously presented) An arrangement in accordance with Claim 3, wherein the protocol specific to a radio module having a specific voice interface and a specific data interface
6. (currently amended) An arrangement in accordance with claim 1, wherein a Bluetooth module based on an IEEE 802.15.1 standard is used as a short-range radio module.
7. (previously presented) An arrangement in accordance with claims 1, wherein a locating device uses the allocation table for determining a momentary location of a particular terminal
8. (previously presented) An arrangement in accordance with claim 1, wherein a gateway device is coupled to the data packet network for coupling the data packet network to a forwarding communication network.
9. (previously presented) An arrangement in accordance with claim 1, further comprising a headset as a terminal device for voice connections.
10. (previously presented) An arrangement in accordance with claim 1, further comprising a PDA (Personal Digital Assistant) as a terminal device for data connections.
11. (previously presented) An arrangement in accordance with claim 1, further comprising a PDA (Personal Digital Assistant) as a terminal device for entering destination addresses for outgoing connections and for initiating those connections.
12. (previously presented) An arrangement in accordance with claim 2, wherein the transition device comprises a translator for translation between a network protocol used in the data packet network and a protocol specific to a radio module.

Serial No. Not 10/767,676  
Atty. Doc. No. 2001P15983WOUS

13. (previously presented) An arrangement in accordance with Claim 4, wherein the protocol specific to a radio module having a specific voice interface and a specific data interface.

14. (currently amended) An arrangement in accordance with claim 2, wherein a Bluetooth module based on an IEEE 802.15.1 standard is used as a short-range radio module.

15. (currently amended) An arrangement in accordance with claim 3, wherein a Bluetooth module based on an IEEE 802.15.1 standard is used as a short-range radio module.

16. (previously presented) An arrangement in accordance with claim 2, wherein a locating device uses the allocation table for determining a momentary location of a particular terminal.

17. (previously presented) An arrangement in accordance with claim 2, wherein a gateway device is coupled to the data packet network for coupling the data packet network to a forwarding communication network.